

periphery with a cutting knife disposed helically about said periphery and a second cylinder;

one drive rotating said first cutting cylinder for cutting the ribbon and providing a signature cut from the ribbon with a smooth, straight edge;

A2  
a subframe having a pivot point, said subframe being pivotable about said pivot point, said subframe supporting said cylinders, and said subframe having a position controlling a position of said cylinders in regard to the ribbon and therefore controlling a cutting length of the ribbon;

a further drive connected to said subframe for pivoting said subframe about said pivot point;

a control unit connected to and controlling said further drive and said one drive for controlling a rotational speed of said first cutting cylinder; and

a sensor connected to said control unit, said sensor providing control signals to said control unit for controlling operation of said cylinders.

Sub B2  
A3  
Claim 5 (amended). The cutting unit according to claim 1,  
wherein said one drive is a first drive, said first drive and  
said second drive are supported by said subframe.

A4  
Claim 7 (amended). The cutting unit according to claim 1,  
wherein said one drive is a first drive, a second drive  
rotates and mounts said second cylinder, and said first drive  
and said second drive are motors.

Claim 8 (amended). The cutting unit according to claim 1,  
wherein said one drive is a first drive, a second drive  
rotates and mounts said second cylinder, and said first drive  
and said second drive are gears to be driven by motors.

Sub B3  
A5  
Claim 10 (amended). A folder, comprising:

a frame;

a subframe pivotably mounted in said frame about a pivot  
point;

one drive housed in said subframe;

a pair of cylinders supported by said subframe and disposed  
opposite one another with a gap formed there-between for  
receiving a ribbon, said pair of cylinders including a first

cutting cylinder having a periphery with a cutting knife disposed helically about said periphery and a second cylinder, said first cutting cylinder driven by said one drive for cleanly cutting the ribbon and providing a signature cut from the ribbon with a smooth, straight edge;

AS  
said subframe having a position controlling a position of said cylinders in regard to the ribbon and therefore controlling a cutting length of the ribbon;

a further drive connected to said subframe for pivoting said subframe about said pivot point;

a control unit connected to and controlling said further drive and said one drive for controlling a rotational speed of said first cutting cylinder; and

a sensor connected to said control unit, said sensor providing control signals to said control unit for controlling operation of said cylinders.

Add the following new claims:

ALC Sub Cl  
Claim 22 (new). The cutting unit according to claim 1, wherein said sensors provide control signals to said control unit to maintain an acceptable cut of the ribbon by adjustment

Sub  
C1

of the rotational speed of said cylinder drives, or by adjustment of said further drive pivoting said subframe.

Claim 23 (new). The cutting unit according to claim 1, wherein said sensors detect an unacceptable cut of the ribbon, and said control unit adjusts the rotational speed of the cylinders by adjusting the drives.

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Claim 24 (new). The cutting unit according to claim 1, wherein said sensors detect an unacceptable cut of the ribbon, and said control unit adjusts the rotational speed of the cylinders by controlling the position of said cutting cylinders.

Claim 25 (new). A cutting unit, comprising:

a pair of cylinders disposed opposite one another with a gap formed there-between for receiving a ribbon, said pair of cylinders including a first cutting cylinder having a periphery with a cutting knife disposed helically about said periphery, said cutting knife being wound at least one turn around said first cutting cylinder and a second cylinder; and a drive rotating said first cutting cylinder for cutting the ribbon to provide a signature cut from the ribbon with an even, straight edge.